BRUHAT BANGALORE MAHANAGARA PALIKE

Asst. Executive Engineer,
Shettyhalli Sub division

Name of Work:- Improvements to Roads And Drains At Mallasandra Colony Surrounding Area In Ward No.13 Shettyhalli Sub Division

Est Cost:53.00 Lakhs

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Report Accompanying The Estimate

Name Of Work :Improvements To Roads And Drains At Mallasandra Colony Surrounding Area In Ward No 13 Shettyhalli Sub Divison.

ಬಿ.ಬಿ.ಎಂ.ಪಿ ವ್ಯಾಪ್ತಿಯ ವಾರ್ಡ್ ನಂ–13 ರಲ್ಲಿ ಮಲ್ಲಸಂದ್ರ ವಾರ್ಡ್ ವ್ಯಾಪ್ತಿಯಲ್ಲಿ ಮಲ್ಲಸಂದ್ರ ಕಾಲೋನಿಯಲ್ಲಿ. ಎಸ್.ಸಿ/ಎಸ್.ಟಿ ವರ್ಗದವರು ಬಡವರು ಹೆಚ್ಚಾಗಿ ವಾಸಿಸುತ್ತಿರುತ್ತಾರೆ. ಹಾಗೂ ಇಲ್ಲಿನ ಕೆಲ ರಸ್ತೆಗಳು ಇಳಿಜಾರಿನಿಂದ ಕೂಡಿದೆ. ಈಗಲೂ ಸಹ ಶೇ 25ರಷ್ಟು ಜನರ ಮನೆಗಳು ಇಳಿಜಾರಿನಲ್ಲಿದ್ದು ಮಳೆ ಬಂದಾಗ ನೀರು ರಸ್ತೆಗಳಲ್ಲಿ ಸಮರ್ಪಕವಾಗಿ ಸಾಗದೆ ಮನೆಗಳಿಗೆ ನುಗುತ್ತಿರುತ್ತದೆ. ಹಾಗೂ ಇಲ್ಲಿನ ರಸ್ತೆಗಳಲ್ಲಿ ಸಾರ್ವಜನಿಕರು ನೀರಿನ ಪೈಪ್ ಲೈನ್ ಮತ್ತು ಒಳಚರಂಡಿ ದುರಸ್ಥಿಗಾಗಿ ರಸ್ತೆಗಳನ್ನು ಹಗೆದಿರುತ್ತಾರೆ. ಆದ್ದರಿಂದ ದುರಸ್ಥಿಗೊಂಡಿರುವ ರಸ್ತೆಗಳನ್ನು ಸರಿಪಡಿಸುವುದು ಸೂಕ್ತವಾಗಿದ್ದು 2019–20ನೇ ಸಾಲಿನ ಬಿಬಿಎಂಪಿ ಆಯವ್ಯಯದಲ್ಲಿ **ಪಿ–ಕೋಡ್ ಸಂಖ್ಯೆ : 1878** ಲೆಕ್ಕ ಶೀರ್ಷಿಕೆ ಪಿ.ಕೋಡ್–1878ರ ಎಸ್.ಸಿ/ಎಸ್.ಟಿ ವರ್ಗದವರಿಗೆ ಸಾಮೂಹಿಕ ಕಾರ್ಯಕ್ರಮಗಳ ಕಲ್ಯಾಣ ಕಾರ್ಯಕ್ರಮಗಳ ಅನುದಾನದಡಿಯಲ್ಲಿ ಮಲಸಂದ್ರ ವಾರ್ಡ್ ವ್ಯಾಪ್ತಿಯಲ್ಲಿ ಬರುವ ಎಸ್.ಸಿ/ಎಸ್.ಟಿ ಜನರು ವಾಸಿಸುವ ಪ್ರದೇಶಗಳ ಅಭಿವೃದ್ಧಿಗೆ ರೂ.400.00 ಲಕ್ಷಗಳ ಅನುದಾನ ಲಬ್ಯವಿದ್ದು. ಅದರಲ್ಲಿ ರೂ.53.00ಲಕ್ಷಗಳ ಅನುದಾನವನ್ನು ಸದರಿ ಪ್ರದೇಶದ ಅಭಿವೃದ್ಧಿಗೆ ಮೀಸಲಿರಿಸಲಾಗಿರುತ್ತದೆ.

ಸದರಿ ಅನುದಾನಕ್ಕೆ 2019–20ನೇ ಸಾಲಿನ ಲೋಕೊಪಯೋಗಿ ಇಲಾಖೆಯ ದರಪಟ್ಟಿ ಮತ್ತು ಮಾರುಕಟ್ಟೆ ದರಗಳ ಅನುಸಾರ ಈ ಕೆಳಕಂಡ ಅಂಶಗಳೊಂದಿಗೆ ಅಂದಾಜು ಪಟ್ಟಿಯನ್ನು ರೂ.53.00ಲಕ್ಷಗಳಿಗೆ ತಯಾರಿಸಲಾಗಿದೆ.

1. Earthwork excavation by manual means for roads, drains & similar works in ordinary soil invoiving
2. Providing and laying Plain cement concrete of mix 1:3:6 with OPC @ 220kgs, with crushed 40mm
3. Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix
4. Providing T.M.T steel reinforcement for R.C.C workincluding straightening, cutting, bending, hooking,
5. Providing and Fixing pre cast covering Slab made out of CC 1:2:4 with 25cm
6. Providing and Fixing pre cast covering Slab made out of CC 1:2:4 with 25cm thick
7. Scarifying bituminous course 50mm to 75mm thick along with premix carpet / surface
8. Etc

ಸದರಿ ಅಂದಾಜು ಪಟ್ಟಿಗೆ ಆಡಳಿತಾತ್ಮಕ ಮತ್ತು ತಾಂತ್ರಿಕ ಮಂಜೂರಾತಿಗಾಗಿ ಸಲ್ಲಿಸಿದೆ.

ಸಹಾಯಕ ಅಭಿಯಂತರರು
ವಾರ್ಡ್ ನಂ–13

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಶೆಟ್ಟಿಹಳ್ಳಿ ಉಪ–ವಿಭಾಗ

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BRUHATH BENGALORE MAHANAGARA PALIKE DASARAHALLI ZONE

Name of work:Improvements to Roads And Drains At Mallasandra Colony Surrounding Area In Ward No.13 Shettyhalli Sub Division

Est .Cost Rs 53.00 Lakhs

Sl. No		Unit	No	Dimension L	Dimension B	Dimension D	Quantity	Rate in Rs.	Amount in Rs.
1	KSRRB 300-3. Earthwork excavation by manual means for roads, drains & similar works in ordinary soil invoiving , excavated surface leveled & sides neatly dressed , the disposed earth to be levelled neatly after breaking of clods complete as per specification MORTH/ Chapter 3. **(Page No. 143/ Item No. 19.1/ PWD SR 2018-19)**								
	Desilt								
	Mallasandra								
	Main road		1	150.00	0.60	0.45	40.50		
	1st cross		1	32.00	0.60	0.45	8.64		
	2nd cross		2	50.00	0.60	0.50	30.00		
	3rd cross		1	60.00	0.60	0.45	16.20		
	5th cross		2	58.00	0.60	0.50	34.80		
	For RCC Drain								
	Mallasandra								
	6th cross		1	50.30	1.10	1.00	55.33		
	7th cross		2	34.50	1.10	1.00	75.90		
	For RCC Culvert								
	1st cross		1	5.70	2.00	1.00	11.40		
	5th cross		1	6.50	2.00	1.00	13.00		
	4th cross		1	4.20	2.20	1.00	9.24		
	7th cross		1	6.15	2.00	1.00	12.30		
	9th cross		1	5.00	2.00	1.00	10.00		
	For SSM Wall								
	Mallasandra Govt School (For Stage)		1	10.40	0.90	1.00	9.36		
	For CC Road								
	Mallasandra								
	1st cross		2	28.00	1.20	0.30	20.16		
	2nd cross		1	41.00	4.60	0.30	56.58		
	3rd cross		1	11.00	5.20	0.30	17.16		
	5th cross		1	86.00	4.30	0.30	110.94		
	7th Cross		1	38.00	4.70	0.30	53.58		
	11th cross		1	18.60	4.20	0.30	23.44		
	Bangalore one road		1	75.00	1.60	0.30	36.00		
		Cum					**644.53**	**137.80**	**88815.68**
	Basic Rate	130.00							
	Area Weightage 6%	7.80							
	Grand Total	**137.80**							
2	Removing And Refixing stone slabs of drains and pointing in C.M (1:3) (Page No.27/ Item No.5.33/ PWD SR 2018-19)								
	Desilt								
	Mallasandra								
	1st cross		1	32.00	0.90		28.80		
	2nd cross		2	50.00	0.90		90.00		
	3rd cross		1	60.00	0.90		54.00		
	5th cross		2	58.00	0.90		104.40		
							277.20		
			Missing Slabs 10%				35.20		
		Cum					**242.00**	**111.30**	**26934.60**
	Basic Rate	105.00							
	Area Weightage 6%	6.30							
	Total	**111.30**							
3	KSRRB M300- Construction of Embankment with Material Gravel/ Murrum. KSRRB M300-53. Construction of embankment with approved material Gravel/Murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement Table 300- 2 complete as per specifications.(Including cost of gravel / murrum, watering charges & compaction by vibratory roller to 95% of proctors density) MORTH Specification No. 305. (P.No. 148, I.No. 19.6 of KPWD SR 2018-19)								
	For Mallasandra School								
	For Stage								
			1	11.00	3.80	0.90	37.62		
		Cum					**37.62**	**344.50**	**12960.09**
	Basic Rate	325.00							
	Area Weightage 6%	19.50							

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Sl. No		Unit	No	Dimension			Quantity	Rate in Rs.	Amount in Rs.
				L	B	D			
	Total	**344.50**							
4	KSRRB M2100-10. Providing and laying Plain cement concrete of mix 1:3:6 with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, HOM curing, form works, scaffolding and centering complete as per specifications. **(P.No-222,I No-27.18 pwd 2018-19)**								
	For RCC Drain								
	Mallasandra								
	6th cross		1	50.30	1.10	0.15	8.30		
	7th cross		2	34.50	1.10	0.15	11.39		
	For RCC Culvert								
	1st cross		1	5.70	2.00	0.15	1.71		
	4th cross		1	4.20	2.20	0.15	1.39		
	5th cross		1	6.50	2.00	0.15	1.95		
	7th cross		1	6.15	2.00	0.15	1.85		
	9th cross		1	5.00	2.00	0.15	1.50		
	For SSM Wall								
	Mallasandra Govt School (For Stage)		1	10.40	0.90	0.15	1.40		
	Platform		1	11.00	3.70	0.15	6.11		
	For CC Road								
	Mallasandra								
	1st cross		2	28.00	1.20	0.15	10.08		
	2nd cross		1	41.00	4.60	0.15	28.29		
	3rd cross		1	11.00	5.20	0.15	8.58		
	5th cross		1	86.00	4.30	0.15	55.47		
	7th Cross		1	38.00	4.70	0.15	26.79		
	11th cross		1	18.60	4.20	0.15	11.72		
	Bangalore one road		1	75.00	1.60	0.15	18.00		
		Cum					**194.51**	**5509.33**	**1071632.91**
	Basic Rate	5115.00							
	Deduct Cement cost as per SR -18-19 Page No.V Sl.No.123	-1079.39	Note:- (220*490.63/100)=1079.39						
	Add Cement cost as per Issue rate	1161.86	Note:- (220*264.06/50)=1161.86						
	Sub Total	**5197.48**							
	Area Weightage 6%	311.85							
	Grand Total	**5509.33**							
5	Providing and laying plain/reinforced cement concrete for side drains **using M20 nominal mix** concrete with OPC at 300 kgs. with 20mm and down size granite metal coarse aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compacted for walls and bottom including centering, shuttering, cost of materials, HOM of machinery, curing etc., complete excluding cost of steel as per MORTH specification No. 1500, 1700, 2200. including cost of materials, labour, HOM complete as per specificationsdo- Wall & bottom thickness 15cm (I No-37.59.2,P No-271 pwd 2018-19)								
	For Bottom Raft								
	For RCC Drain								
	Mallasandra								
	6th cross		1	50.30	0.90	0.15	6.79		
	7th cross		2	34.50	0.90	0.15	9.32		
	For RCC Culvert								
	1st cross		1	5.70	1.50	0.20	1.71		
	4th cross		1	4.20	1.80	0.20	1.51		
	5th cross		1	6.50	0.60	0.20	0.78		
	7th cross		1	6.15	1.50	0.20	1.85		
	9th cross		1	5.00	1.50	0.20	1.50		
	For Wall								
	For RCC Drain								
	Mallasandra								
	6th cross		2	50.30	0.15	0.70	10.56		
	7th cross		4	34.50	0.15	0.70	14.49		
	For RCC Culvert								
	1st cross		2	5.70	0.30	0.60	2.05		
	4th cross		2	4.20	0.45	0.60	2.27		
	7th cross		2	6.15	0.30	0.60	2.21		
	9th cross		2	5.00	0.30	0.60	1.80		
	5th cross Deck Slab		1	6.50	1.50	0.20	1.95		
	For Deck Slab								
	Main road		1	108.00	0.90	0.20	19.44		
			1	51.00	0.90	0.20	9.18		
	Ramp For RCC Culvert								

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Sl. No		Unit	No	Dimension			Quantity	Rate in Rs.	Amount in Rs.
				L	B	D			
	1st cross		2	5.70	0.65	0.15	1.11		
	4th cross		2	4.20	0.60	0.15	0.76		
	7th cross		2	6.15	0.60	0.15	1.11		
	9th cross		2	5.00	0.65	0.15	0.98		
		Cum					**91.36**	**7189.42**	**656818.06**
	Basic Rate	6670.00							
	Deduct Cement cost as per SR -18-19 Page No.V Sl.No.123	-1471.89	Note:- (300*490.63/100)=1471.89						
	Add Cement cost as per Issue rate	1584.36	Note:- (300*264.06/50)=1584.36						
	Sub Total	**6782.47**							
	Area Weightage 6%	406.95							
	Grand Total	**7189.42**							
6	KSRB 4.9.2 : Providing T.M.T steel reinforcement for R.C.C workincluding straightening, cutting, bending, hooking, placing in position,lapping and / or welding wherever required, tying with binding wire andanchoring to the adjoining members wherever necessary complete asper design (laps, hooks and wastage shall not be measured and paid)cost of materials, labour, HOM of machinery complete as perspecifications.Specification No. KBS 4.6.3 (I No-28.8.2,P No-229 PWD SR 2018-19)								
	Consider 65kg/Cum for drain		1	76.46	65.00		4969.77		
	Consider 90kg/Cum for Culvert		1	14.90	90.00		1341.09		
	Consider 7.5kg/Sqm for CC Road		1	369.80	7.70		2847.46		
		Tonne					**9.16**	**72326.98**	**662393.63**
	Basic Rate	68233.00							
	Area Weightage 6%	4093.98							
	Grand Total	**72326.98**							
7	Providing and fixing M.S. grill work for windows and ventilator weighing 21kg/Sqm using M.S. flats, or M.S square rods or combination of M.S. flats and steel sections and welding the same to required pattern with a coat of red lead primer, cost of materials, fixtures labour and HOM of machinery specifications (P.No. 34, I.No. 7.9 of PWD SR 2018-19)								
	For Mallasandra School								
			1	43.00		1.40	60.20		
			1	12.10		2.00	24.20		
						Sqm	**84.40**		
	Consider 21kg/Sqm	**Kg**			**84.40**	**21**	**1772.40**	**100.70**	**178480.68**
	Basic Rate	95.00							
	Area Weightage 6%	5.70							
	Grand Total	**100.70**							
8	Providing and fixing Precast RCC cover slabs of 100 mm thick for drain in cement concrete 1:1.5:3 using graded granite jelly 20mm and down size with steel reinforcement and pointing for joints 1:3 cement mortor including form work, lift charges,curing and concrtee finished surface on both sides etc,and complete as per the directions of Enginner in charges.(Data Rate)								
	For RCC Drain								
	Mallasandra								
	6th cross		1	50.00	0.90		45.00		
	7th cross		2	34.50	0.90		62.10		
	Mallasandra Surroundings		1	31.00	0.90		27.90		
	Missing Slabs						35.20		
		Sqm					**170.20**	**1615.00**	**274873.00**
	Data Rate	**1615.00**							
9	Providing and fixing Precast RCC slab of 250mm thick for Culverts made of Plain/Reinforced Cement Concrete design mix M25 with OPC@340kgs,with 20mm and down size graded granite metal coarse aggregates @0.70cum and fine aggregates@0.47cum,with superplasticizer@3lts confirming to 189103-1999 Reaffirmed-2008,Open Foundation complete as per Drawing and Technical Specification including cost of all materials, labour,HOM curing,form works,scaffolding and centering complete as per specifications and pointing for ljoints 1:3 cement mortar including form work,lift charges,curing and concrete finished surfaces on both sides etc,complete and as per the directions of Engineer in-Charge. (Data Rate)								
	For RCC Culvert								
	1st cross		1	4.35	1.50		6.53		
	4th cross		1	3.80	1.80		6.84		
	7th cross		1	6.15	1.50		9.23		
	9th cross		1	5.00	1.50		7.50		
		Sqm					**30.09**	**3674.00**	**110550.66**
	Data Rate	**3674.00**							
10	Providing and constructing **granite /trap/ baslat size stone masonry in foundation** with cement mortar 1:6, stones hammerd dressed in courses not less than 20cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications **(Page No. 25 / Item No. 5.6, PWD SR 2018-19)**								

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Sl. No		Unit	No	Dimension			Quantity	Rate in Rs.	Amount in Rs.
				L	B	D			
	For SSM Culvert								
	5th cross		2	6.50	0.45	0.60	3.51		
	For SSM Wall								
	Mallasandra Govt School (For Stage)								
	Below GL		1	10.40	0.75	0.90	7.02		
	Above GL		1	10.40	0.60	0.50	3.12		
			1	10.40	0.40	0.50	2.08		
		Cum					**15.73**	**4891.63**	**76945.34**
	Basic Rate	4596.00							
	Deduct Cement cost as per SR -18-19 Page No.V Sl.No.123	-245.32	Note:- -(0.2*1*1=0.2 Cum/Sqm) (0.2*250*490.63/100)=245.32						
	Add Cement cost as per Issue rate	264.06	Note:- (0.2*250*264.06/50)=264.06						
	Sub Total	4614.75							
	Area Weightage 6%	276.88							
	Total	**4891.63**							
11	KSRRB M200-24. Dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces not exceeding 0.02 cum in volume and stock piling at designated locations and disposal of dismantled materials stacking serviceable and unserviceable materials seperately complete as per specifications. MORTH Specification No. 202 **(Page No-140 Item no - 18.47 of KPWD SR 2018-19)**								
	For CC Road								
	Mallasandra								
	1st cross		2	28.00	1.20	0.15	10.08		
	2nd cross		1	41.00	4.60	0.15	28.29		
	3rd cross		1	11.00	5.20	0.15	8.58		
	11th cross		1	18.60	4.20	0.15	11.72		
		Cum					**58.67**	**952.94**	**55907.08**
	Basic Rate	899.00							
	Area Weightage 6%	53.94							
	Grand Total	**952.94**							
12	KSRRB 300-49. Scarifying bituminous course 50mm to 75mm thick along with premix carpet / surface dressing by manual means without disturbing the base and stacking of the debris materials including cost of all labour charges complete as per specifications. MORTH / Chapter 3 **(Page No. 146/ Item No.19.55/ PWD SR 2018-19)**								
	For CC Road								
	Mallasandra								
	5th cross		1	86.00	4.30		369.80		
	7th Cross		1	38.00	4.70		178.60		
		Cum					**548.40**	**95.40**	**52317.36**
	Basic Rate	90.00							
	Area Weightage 6%	5.40							
	Grand Total	**95.40**							
13	KSRRB 300-Compaction KSRRB 300-58. Compaction of original ground with maximum of 6 passes of 8 to 10 tonnes power roller including filling in depression occuring during rolling including cost of all labour, HOM of machinery complete as per specifications. MORTH / Chapter 3 **(Page No-147 Item no - 19.64 of KPWD SR 2018-19)**								
	For CC Road								
	Mallasandra								
	1st cross		2	28.00	1.30		72.80		
	2nd cross		1	41.00	4.60		188.60		
	3rd cross		1	11.00	5.20		57.20		
	5th cross		1	86.00	4.30		369.80		
	7th Cross		1	38.00	4.70		178.60		
	11th cross		1	18.60	4.20		78.12		
	Bangalore one road		1	75.00	1.60		120.00		
		Sqm					**1065.12**	**6.36**	**6774.16**
	Basic Rate	6.00							
	Area Weightage 6%	0.36							
	Grand Total	**6.36**							

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Sl. No		Unit	No	Dimension			Quantity	Rate in Rs.	Amount in Rs.
				L	B	D			
14	KSRRB M400-17. Providing, laying, spreading and compacting cushed stone aggregates of granite / trap I basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve thedesired density complete as per specifications. MORTH Specification No. 406 **(Page No-158 Item no - 20.18 of KPWD SR 2018-19).**								
	For CC Road								
	Mallasandra								
	1st cross		2	28.00	1.30	0.15	10.92		
	2nd cross		1	41.00	4.60	0.15	28.29		
	3rd cross		1	11.00	5.20	0.15	8.58		
	5th cross		1	86.00	4.30	0.15	55.47		
	7th Cross		1	38.00	4.70	0.15	26.79		
	11th cross		1	18.60	4.20	0.15	11.72		
	Bangalore one road		1	75.00	1.60	0.15	18.00		
		Cum					**159.77**	**2001.28**	**319740.50**
	Basic Rate	1888.00							
	Area Weightage 6%	113.28							
	Grand Total	**2001.28**							
15	Cement concrete pavement.Construction of un-reinforced plain cement concrete pavement, thickness as per design, over a prepared sub base with OPC cement or any other type as per clause 1051.2.2 design mix M20/M30 , with 25mm and down size graded granite metal coarse aggregates and fine aggregtes , with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008 , mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints including groove cutting charges, joint filler, separation membrane, selant primer, joint sealant, admixtures as approved, curing compound, finishing to lines and grades as per drawing complete as per specifications. - M30 (at 360Kg per cum coarse aggregate @ 0.69cum and fine aggregate @ 0.46cum) **(Page No. 175.tem No.22.6.1,PW,P & IWTD SR 2018-19)**								
	For CC Road								
	Mallasandra								
	1st cross		1	32.00	5.00	0.15	24.00		
	2nd cross		1	41.00	4.60	0.15	28.29		
	3rd cross		1	11.00	5.20	0.15	8.58		
	5th cross		1	86.00	4.30	0.15	55.47		
	7th Cross		1	38.00	4.70	0.15	26.79		
	11th cross		1	18.60	4.20	0.15	11.72		
	Bangalore one road		1	75.00	1.60	0.15	18.00		
		Cum					**172.85**	**5354.02**	**925431.97**
	Basic Rate	4916.00							
	Deduct Cement cost as per SR -18-19 Page No.V Sl.No.123	-1766.27	Note:- (360*490.63/100)=1766.27						
	Add Cement cost as per Issue rate	1901.23	Note:- (360*264.06/50)=1901.23						
	Sub Total	**5050.96**							
	Area Weightage 6%	303.06							
	Grand Total	**5354.02**							
16	Removal of Unserviceable Soil with Disposal KSRRB M300-19. Removal of unserviceable soil including excavation, loading and disposal but excluding replacement by suitable soil which shall be paid separately as per clause 300.5 complete as per specifications. MORTH Specification No. 301 **(P.No.144 & I.No.19.20 PWD 18-19)**								
	Vide Item No.1						644.53		
		Cum					**644.53**	**34.98**	**22545.52**
	Basic Rate	33.00							
	Area Weightage 6%	1.98							
	Grand Total	**34.98**							

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Sl. No		Unit	No	Dimension L	B	D	Quantity	Rate in Rs.	Amount in Rs.
17	KSRRB M100-1 Loading and Unloading of Stone Boulder / Stone aggregates /Sand/ Kanker / Moorum. KSRRB 00-1 : Placing tipper at loading point, loading with front end loader,dumping, turning for return trip, excluding time for haulage and return trip complete as per specifications. MORTH -100/ Chapter 1 (P.No.136 & I.No.17.1 PWD 18-19)								
	Vide Item No.~~7 & 8~~ 11 & 12						~~89.89~~ 86.09		
		Cum					~~89.89~~ 86.09	57.00	5123.63
	Basic Rate	57.00							
18	KSRRB M100-4.1. Cost of Haulage Excluding Loading and Unloading MORTH -100/ Chapter 1 Case-I : Surface Road (P.No.136 & I.No.17.4 PWD 18-19)								
	Vide Item No.~~18 &19~~ 16 & 17						~~611.54~~ 730.61		
		t.km					~~611.54~~	25.60	15655.46
	Lead for earth 10 km	25.60					730.61		4567873.39
								Total Constrution cost	4568167.44
								GST Charges 12%	548180.09
								KRIDL Charges 4%	182726.70
								Sub Total	5299074.23
								Miscellaneous & Rounding Off (1261.83)	925.77
								Grand Total	5300000.00
								Rupees Fifty Three Lakh(s) Only	

Certificate:-

1) This Work Comes Within BBMP Limits.
2) Certified that personaly Inspected the Work Spot.
3) Certified that the Estimate is Prepared Based on CSR of PWD Bangalore Circle 2018-19
4) Estimate is Prepared Making Use of essential itemof work as per site conditions in safest way of Execution in most economical way
5) This work is not include in any other program of work.

Assistant Engineer
Ward No.13

Assistant Executive Engineer
Shetyhalli Sub - Division

Executive Engineer
Dasarahalli Zone
30/1/2020

ADMINISTRATIVELY SANCTIONED FOR Rs 53.00 lakhs
(Rupees Fifty Three lakhs only
Under the Head of Account P-1878.18.per (Bagyajyothi/RuSaMu/ward and General
Registered as no EE(D.D.)/AS. 202 Subject to conditions contained in Enclosed Memo No. EE/DD/AS/202/19-20 Dt: 30/01/2020

Exe. Engg
JE/AE. (DASARAHALLI) BBMP
30/1/2020

Technically Sanctioned For Rs: 5300000/-
Rs. In Words Fifty three lakhs only
Under P1878 18 per - works (Bhagyajyothi)
Job Code No. 013-20-000071
Registered as SE No. 16 /19-20 subject to conditions contained in Enclosed Memo No. SE/D2/TS/16/19-20 Dt. 03/02/20

SE(D)

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